Checkweighers



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Checkweighers

Control Scales
Control Scales with Contamination Detection
Hermetic Control Scales
Rotational Control Scales
Sorting Scales
Labelling Checkweigher
Roller Scales
Checkweigher **Overhead Track Scale**

See the full range of Checkweighers

Prepackaged Goods Control Scales

Control Scales
Control Scales with Contamination Detection
Hermetic Control Scales
Rotational Control Scales

See the full range of Prepackaged Goods Control Scales

DWM Checkweigher



Checkweighers, due to their modular design, meet the requirements of any production line. A complete set of shields, rejecters, sensors, signalling and monitoring modules will come up to expectations of every single customer, and a vast range of transport solutions will allow one to adapt the device to the requirements of a particular product.

MODEL	Product code	Maximum capacity [MAX]	Readability [d]	Verification unit [e]	Efficiency	Speed
DWM Checkweigher	WK-105-00__	750 - 7500 g	0.1 g - 5 g	0.1 g - 5 g	max 500 pcs/min	1.6 m/s

OIML Class - XIII (1)*, Y(a)
Protection class - IP 55, IP 65
Keypad - touch screen
Construction - Stainless steel, aluminum anodised
Display - 12” graphic colour touchscreen
Communication interface - Ethernet, USB, RS232, IN / OUT
Optional interfaces - Profibus, PROFINET, Modbus, EtherNet/IP
Optional equipment - Printer, RFID rider, Barcode Rider, signal
Operating temperature - from +5 to +40°C
Operating system - Microsoft Windows 11 IoT

*OIML class for checkweighers used in packaged goods control (PGC) systems.

Accessories (Additional Fee)

- RS 232 cables (scale - ZEBRA printer)
- RS 232 cables
- Label Printers
- Tunnel Detectors
- USB adatper
- Receipt Printer
- USB cable (scale - printer)

DWM HY10 Basic Checkweigher



The **DWM HY10 Basic Checkweigher** is a compact device that guarantees **100% inspection** of a production batch. It is easy to install and integrate into the production line. A number of ready-made components simplify the scale's adaptation to the requirements of a specific production line.

MODEL	Product code	Maximum capacity [MAX]	Readability [d]	Verification unit [e]	Efficiency	Speed
DWM HY10 Basic	WK-108-00__	1500 – 6000 g	0.5 – 2 g	0.5 – 2 g	max 150 pcs/min	1 m/s

OIML Class - XIII (1)*, Y(a)
Protection class - IP 55
Keypad - touch screen
Construction - Stainless steel, aluminum anodised
Display - 10,1" graphic colour touchscreen
Communication interface - Ethernet, RS232, RS485, USB, IN/OUT
Optional interfaces - Profibus, PROFINET, Modbus, EtherNet/IP
Optional equipment - Printer, RFID rider, Barcode Rider, signal
Operating temperature - from +10 to +40°C
Operating system - Linux

*OIML class for checkweighers used in packaged goods control (PGC) systems.





Precise Measurement and Easy Operation

The device provides a capacity of **up to 150 pcs/min**. It guarantees precise measurement, records data to a database, rejects defective products with an integrated rejecter, and prepares a specialized inspection report. Thanks to the **10.1-inch display** and user-friendly interface, operation of the scale is easy and comfortable.

Speed, Accuracy and Resistance

The **DWM HY10 Basic Checkweigher** is equipped with a reliable MWMH series measuring unit – a magnetoelectric system. MWMH guarantees high speed, readability and resistance to mechanical shock. Maintenance-free BLDC type motors were used to drive the scale. The structure and control cabinet are made of stainless steel. The correctness of data recording and storage is supervised by the SQL database system.



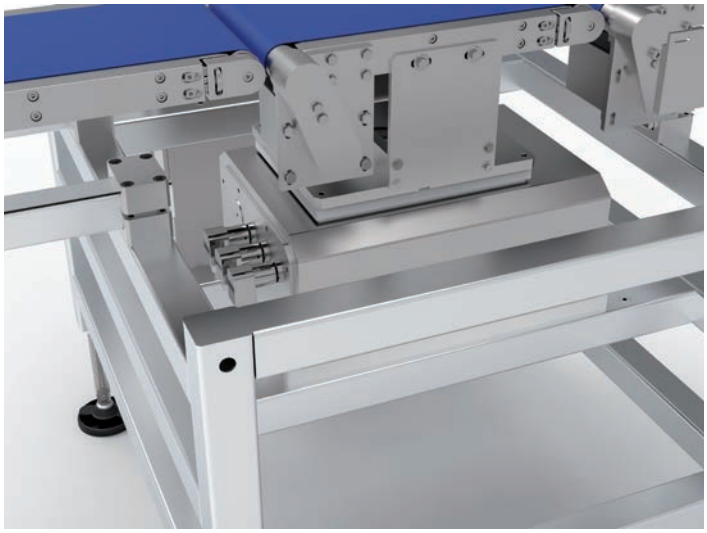
What Speaks to the Choice of DWM HY10 Basic Checkweigher?

Main features:

- 10.1-inch color display
- Touch panel
- Magnetoelectric measuring module
- Brushless motors
- Pneumatic discrimination system
- SQL database
- No limitation of assortment and operator base
- Current statistics
- Possibility of integration with the line and the customer's control system.

10.1-Inch Color Display with Touch Panel

If you waste your time scrolling up and down the screen several times, a large display will be an ergonomic tool for you. A **10.1-inch display** will allow you to see more information at once or even an entire document at once. Our display is not only large, but also color and touch. A color screen means clearer menus, and the touch panel translates into a comfortable work experience.





Magnetoelectric Measuring Module: Speed and Readability

The **MWMH module** enables reading of real results with unprecedented readability and stunning repeatability. The measurement speed achieved by the **MWMH module** makes it possible to use it in **automated production lines**. For fast and dynamic measurement processes, the weighing module's transducer can operate at a sampling rate of 3200 pom/s.

Brushless Motors: Longer Life and Quieter Operation

The maintenance-free **BLDC-type** motors we used in the scales have a **longer life, higher efficiency and lower failure rate** than their brushed counterparts. They are lighter and quieter and allow continuous operation at maximum torque. They have large power ranges and accurate speed control.

DWT/RC Checkweighers



DWT/RC HY
Checkweigher



DWT/RC SY
Checkweigher



DWT/RC HP
Checkweigher



DWT/RC SP
Checkweigher

MODEL	Product code	Maximum capacity [MAX]	Readability [d]	Verification unit [e]	Protection class	Construction	Display	Communication interface	Operating system
DWT/RC HY	WK-106-0___	15 – 60 kg	5 – 20 g	5 – 20 g	IP 55/65	Stainless steel	10,1" graphic colour touchscreen	Ethernet, RS232, RS485, USB, IN/OUT	Linux
DWT/RC SY	WK-106-0___	15 – 60 kg	5 – 20 g	5 – 20 g	IP 55	Mild steel	10,1" graphic colour touchscreen	Ethernet, RS232, RS485, USB, IN/OUT	Linux
DWT/RC HP	WK-106-0___	15 – 60 kg	5 – 20 g	5 – 20 g	IP 55/65	Stainless steel	12" graphic colour touchscreen	Ethernet, USB, RS232, IN / OUT	Microsoft Windows 11 IoT
DWT/RC SP	WK-106-0___	15 – 60 kg	5 – 20 g	5 – 20 g	IP 55	Mild steel	12" graphic colour touchscreen	Ethernet, USB, RS232, IN / OUT	Microsoft Windows 11 IoT

OIML Class - XIII (1)*, Y(a)
Keypad - touch screen
Optional interfaces - Profibus, PROFINET, Modbus, EtherNet/IP
Optional equipment - Printer, RFID rider, Barcode Rider, signal
Operating temperature - from -10 to +40°C
Efficiency - max 100 pcs/min
Speed - 0,1 – 1,7 m/s

*OIML class for checkweighers used in packaged goods control (PGC) systems.

Accessories (Additional Fee)

- Displays
- Transponder card readers
- RS 232 cables (scale - ZEBRA printer)
- RS 232, RS 485 cables
- Barcode scanners
- Label Printers
- Keypad, external switches
- USB adatper
- Receipt Printer
- USB cable (scale - printer)

Software (Additional Fee)

- Label Editor R02
- E2R System

Multi-Track DWM H2 Checkweigher



DWM H2 checkweigher assures the highest quality and accuracy of weighing. It is intended for integration with multi-track packaging machines transporting products to the line using several parallel tracks. It is possible to integrate the **DWM H2 checkweigher** in systems which due to the required throughput demand use of multiple checkweighers. The scale is equipped with multiple tracks integrated into one construction, the tracks are operated via one operation panel. Each of the weighing tracks is an independent measuring system equipped with a weighing module and rejecters. The weighing tracks are placed next to each other. With this, products can be picked up directly from the packaging machine.

MODEL	Product code	Maximum capacity [MAX]	Readability [d]	Verification unit [e]	Efficiency	Speed
Multi-Track DWM H2	WK-105-00__	750 – 7500 g	0.1 – 5 g	0.1 – 5 g	max 2 x 500 pcs/min	1.6 m/s

OIML Class - XIII (1)*, Y(a)
Protection class - IP 55, IP 65
Keypad - touch screen
Construction - Stainless steel
Display - 12” graphic colour touchscreen
Communication interface - Ethernet, USB, RS232, IN / OUT
Optional interfaces - Profibus, PROFINET, Modbus, EtherNet/IP
Optional equipment - Printer, RFID rider, Barcode Rider, signal
Operating temperature - from +5 to +40°C
Operating system - Microsoft Windows 11 IoT

*OIML class for checkweighers used in packaged goods control (PGC) systems.

Accessories (Additional Fee)

- RS 232 cables (scale - ZEBRA printer)
- RS 232 cables
- Tunnel Detectors
- Keypad, external switches
- USB adatper
- Receipt Printer
- USB cable (scale - printer)

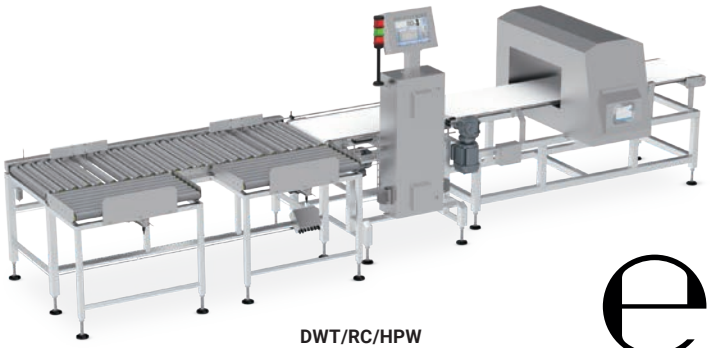
Software (Additional Fee)

- Label Editor R02
- E2R Checkweigher

DWM/HPW & DWT/RC/HPW Checkweighers



DWM/HPW
Checkweigher



DWT/RC/HPW
Checkweigher

The **DWM/HPW & DWT/RC/HPW scale** is an advanced weighing solution designed for stable and trouble-free operation in demanding production environments. **It ensures 100% control of product mass and, thanks to an integrated metal detector, enables effective detection of metallic contaminants.** The device meets the requirements of the HACCP standard applicable in many food industry plants.

MODEL	Product code	Maximum capacity [MAX]	Readability [d]	Verification unit [e]	Efficiency	Speed
DWM/HPW	-	750 – 7500 g	0.1 – 5 g	0.1 – 5 g	max 500 pcs/min	1.6 m/s
DWT/RC /HPW	-	15 – 60 kg	5 – 20 g	5 – 20 g	max 100 pcs/min	1.7 m/s

OIML Class - XIII (1)*, Y(a)
Protection class - IP 55, IP 65
Keypad - touch screen
Construction - mild steel / stainless steel
Display - 12” graphic colour touchscreen
Communication interface - Ethernet, USB, RS232, IN / OUT
Optional interfaces - Profibus, PROFINET, Modbus, EtherNet/IP
Optional equipment - Printer, RFID rider, Barcode Rider, signal
Operating temperature - from +5 to +40°C
Operating system - Microsoft Windows 11 IoT

*OIML class for checkweighers used in packaged goods control (PGC) systems.

Accessories (Additional Fee)

- Displays
- RS 232 cables (scale - ZEBRA printer)
- RS 232 cables
- Barcode scanners
- Label Printers
- Keypad, external switches
- USB adatper
- Receipt Printer
- USB cable (scale - printer)

Software (Additional Fee)

- Label Editor R02
- E2R Checkweigher

DWM HPX Checkweigher



This series of checkweighers is intended for food industry, it is especially useful on fish and meat processing production halls. The applied solutions and materials are compliant with strict hygiene standards required for food production. Reinforced, hermetic construction allows to clean the device with pressure washer. **Mass measurement using DWM HPX checkweigher is carried out with of 1 g to 2 g readability, on an electromagnetic weighing module housed in a hermetic housing of IP69K ingress protection.**

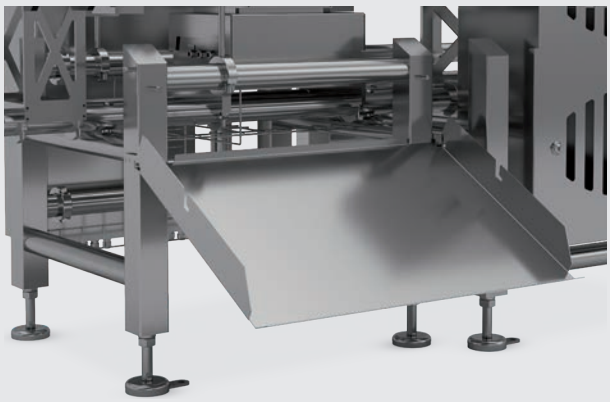
MODEL	Product code	Maximum capacity [MAX]	Readability [d]	Verification unit [e]	Efficiency	Speed
DWM HPX	WK-105-0___	1500 – 7500 g	1 – 5 g	1 – 5 g	max 500 pcs/min	1.6 m/s

OIML Class - XIII (1)*, Y(a)
Protection class - IP 69k
Keypad - touch screen
Construction - stainless steel
Display - 12” graphic colour touchscreen
Communication interface - Ethernet, USB, RS232, IN / OUT
Optional interfaces - Profibus, PROFINET, Modbus, EtherNet/IP
Optional equipment - Metaldetektor, Printer, RFID rider, Barcode Rider, signal
Operating temperature - from +5 to +40°C
Operating system - Microsoft Windows 11 IoT

*OIML class for checkweighers used in packaged goods control (PGC) systems.

Accessories (Additional Fee)
- Receipt Printer

Software (Additional Fee)
- Label Editor R02
- E2R Checkweigher



Mechanical Design Compliant with HACCP

DWM HPX checkweigher is designed in accordance with ”hygienic design” requirements. Adoped solutions minimize potential spots where contamination can accumulate, and facilitate maintenance. Among these solutions there are: round-profile construction, no places accumulating contamination, fast disassembly of conveyors and belts requiring no tools, less flat horizontal surfaces on which contamination may accumulate, stainless steel mechanical design (AISI 304 or 316). Specially-designed gaskets, seal wires and shields guarantee **IP69K** ingress protection.

DWT/RC/HYF Checkweighers



Automatic checkweigher DWT/RC/HYF series is dedicated to work on technological lines of food industry, where high humidity and frequent high pressure cleaning are the major issues. The construction has been designed to enable fast and easy cleaning.

MODEL	Product code	Maximum capacity [MAX]	Readability [d]	Verification unit [e]	Efficiency	Speed
DWT/RC/HYF	WK-106-0___	15 – 60 kg	10 - 20 g	10 - 20 g	max 50 pcs/min	0.1 – 1.0 m/s

OIML Class - XIII (1)*, Y(a)
Protection class - IP 69k
Keypad - touch screen
Construction - stainless steel
Display - 10,1" graphic colour touchscreen
Communication interface - Ethernet, RS232, RS485, USB, IN/OUT
Optional interfaces - Profibus, PROFINET, Modbus, EtherNet/IP
Optional equipment - Printer, RFID rider, Barcode Rider, signal
Operating temperature - from -10 to +40°C
Operating system - Linux

*OIML class for checkweighers used in packaged goods control (PGC) systems.

Accessories (Additional Fee)

- Displays
- Transponder card readers
- RS 232 cables (scale - ZEBRA printer)
- RS 232, RS 485 cables
- Receipt Printer
- USB cable (scale - printer)



Easy to clean and safe design

Special emphasis has been put on elimination of gaps, spaces and flat surfaces susceptible to condensates and waterstains. The structure of the conveyor belt allows washing it inside and outside without dissembling. The electronics has been placed high above the weighing platform for minimizing the possibility of inundation of the control panel. The checkweigher DWT/RC/HYF series is created in accordance with vertical space division. **"Clean zone"** ranges from the floor to the level of the conveyor belt (the area where food and production waste accumulates). **"Technological zone"** is placed above the production line.

DWR Checkweighers



Automatic rotational scales is designed for operation in technological lines of cylindrical packaged goods **with diameter ø 35–66 mm***, like aerosols, sprays, glass and plastic bottles, etc. **The device is operates in accordance with regulation on Control of Prepacked Goods.**

**It is possible to weigh containters with other diameter.*

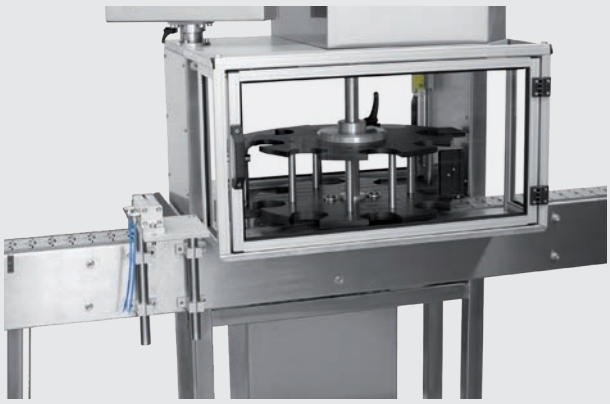
MODEL	Product code	Maximum capacity [MAX]	Readability [d]	Verification unit [e]	Efficiency	Speed
DWR H1	WK-104-1___	300 - 6000 g	0.2 - 2 g	0.2 - 2 g	80 pcs	-
DWR H2	WK-104-2___	300 - 6000 g	0.2 - 2 g	0.2 - 2 g	2 x 80 pcs	-

OIML Class - XIII (1)*, Y(a)
Protection class - IP 55, IP 65
Keypad - touch screen
Construction - stainless steel
Display - 12” graphic colour touchscreen
Communication interface - Ethernet, USB, RS232, IN / OUT
Optional interfaces - Profibus, PROFINET, Modbus, EtherNet/IP
Optional equipment - Printer, RFID rider, Barcode Rider, signal
Operating temperature - from -10 to +40°C
Operating system - Microsoft Windows 11 IoT

Accessories (Additional Fee)
- Receipt Printer

Software (Additional Fee)
- Label Editor R02
- E2R Checkweigher

*OIML class for checkweighers used in packaged goods control (PGC) systems.



Full control on the production line

Rotational scales provide **100 % control of goods transported on the processing line**. Goods that do not meet set thresholds are discriminated from the line.

Main application:
- Chemical industry,
- Pharmaceutical industry,
- Distilling industry,
- Food processing industry.

DWM HPE Labelling Checkweighers



DWM HPE is a combination of a checkweigher system and a labelling system, designed for weighing and marking of products of variable weight. These parameters speak for themselves:
Maximum capacity: 7,5 kg
Readability [d]: 1 g
Throughput: up to 60 pcs./min

MODEL	Product code	Maximum capacity [MAX]	Readability [d]	Verification unit [e]	Construction	Display	Efficiency	Speed
DWM HPE	-	1500 - 7500 g	0,5 - 5 g	0,5 - 5 g	Stainless steel	12” graphic colour touch-screen	max 60 pcs/ min	1.0 m/s
DWT/RC HPE	-	15 - 60 kg	5 - 20 g	5 - 20 g	mild steel / Stainless steel	10,1" graphic colour touch-screen	max 25 pcs/ min	0.5 m/s

OIML Class - Y(a)
Protection class - IP 44
Keypad - touch screen
Communication interface - Ethernet, USB, RS232, IN / OUT
Optional interfaces - Profibus, PROFINET, Modbus, EtherNet/IP
Optional equipment - Printer, RFID rider, Barcode Rider, signal
Operating temperature - from +5 to +40°C
Operating system - Microsoft Windows 11 IoT

Accessories (Additional Fee)
- Receipt Printer

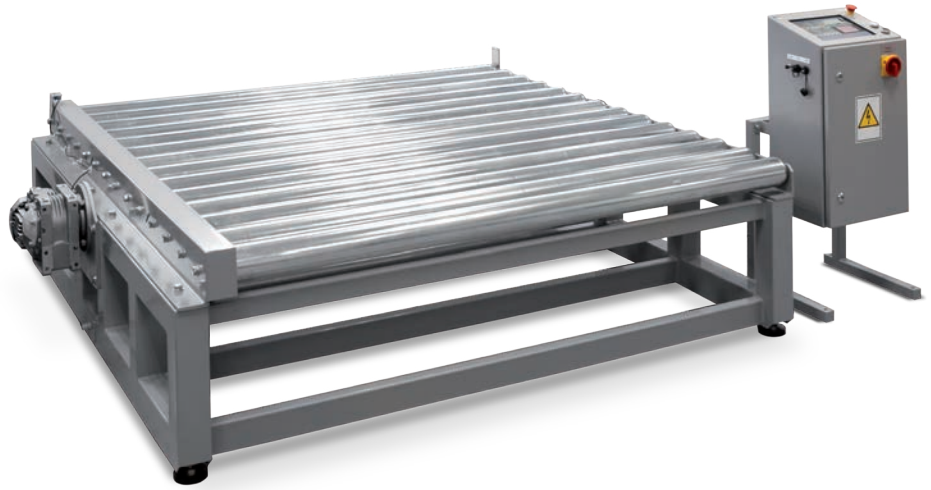
Software (Additional Fee)
- Label Editor R02
- E2R Checkweigher



Apply the Labels the Way You Like

You can adjust the label application system to particular requirements of the production process of yours (application from the top, application from the side). To meet the most demanding requirements, we can apply tamp or blow label applicators mounted on the actuator or the rotary arm. Should you need to use metal detection and rejection systems, we can equip the device with them – its modular design allows that.

DWT/RC R Checkweigher



The **roller scale** is designed for weighing heavy, large-size packages such as pallets or crates. It allows for final product mass control before it enters the warehouse or is transported to the customer. Depending on the application, the scale can be made in a powder-coated version, dedicated for use in warehouses, or in a stainless-steel version, intended for use in wet environments.

MODEL	Product code	Maximum capacity [MAX]	Readability [d]	Protection class	Efficiency	Speed
DWT/RC R	-	300 - 3000 kg	0.1 - 1 kg	IP 55, IP 65	max 25 pcs/min	0.2 - 1.0 m/s

Protection class - IP 55, IP 65
Keypad - touch screen
Construction - mild steel / Stainless steel
Display - 10,1" graphic colour touchscreen
Communication interface - Ethernet, USB, RS232, IN / OUT
Optional interfaces - Profibus, PROFINET, Modbus, EtherNet/IP
Optional equipment - Printer, RFID rider, Barcode Rider, signal
Operating temperature - from -10 to +40°C
Operating system - Linux

Accessories (Additional Fee)
- Displays
- RS 232 cables (scale - ZEBRA printer)
- RS 232, RS 485 cables
- Label Printers
- Receipt Printer
- USB cable (scale - printer)

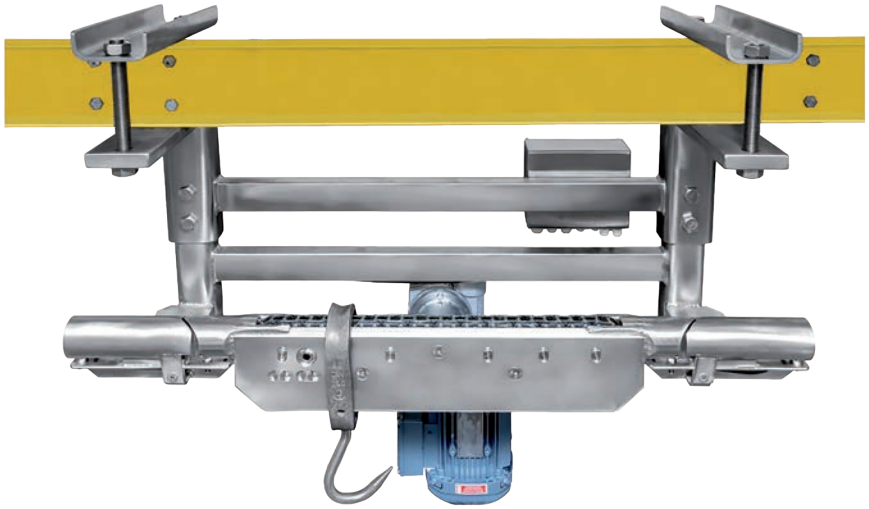


Select an Interface That Your Production Line Supports

RADWAG roller scales offer the option of using one of four industrial interfaces, depending on your requirements.

All our interfaces allow you to:
- start and stop the dynamic weighing procedure remotely (Start and Stop function),
- enter the batch number (Batch Number Readout function),
- select a product (Select Product During Standstill function).

DWM HPK & DWT/RC HPK Checkweighers



The **automatic checkweigher** is a reliable solution for the meat industry, designed for transporting and weighing animal products such as carcasses, half-carcasses, poultry, and other meat products. With its special design, the scale is perfectly suited for conveyor systems, allowing efficient and hands-free weighing of products in motion, without the need to stop the conveyor.

MODEL	Product code	Maximum capacity [MAX]	Readability [d]	Verification unit [e]	Display	Operating system	Efficiency	Speed
DWM HPK	-	300 - 600 g	0.2 kg	0.2 kg	12” graphic colour touchscreen	Microsoft Windows 11 IoT	max 10 pcs./min	0.25 m/s
DWT/RC HPK	-	300 - 600 g	0.2 kg	0.2 kg	10.1" graphic colour touchscreen	Linux	max 10 pcs./min	0.25 m/s

OIML Class - Y(a)
Protection class - IP 65
Keypad - touch screen
Construction - Stainless steel
Communication interface - Ethernet, USB, RS232, IN / OUT
Optional interfaces - Profibus, PROFINET, Modbus, EtherNet/IP
Optional equipment - Printer, RFID rider, Barcode Rider, signal
Operating temperature - from -10 to +40°C

Accessories (Additional Fee)

- Displays
- Transponder card readers
- RS 232 cables (scale - ZEBRA printer)
- RS 232, RS 485 cables
- Receipt Printer
- USB cable (scale - printer)

Efficiency and Automation

The device ensures precise measurements in challenging industrial conditions, including both dry and humid environments. This makes the automatic checkweigher an excellent solution for conveyor lines used to transport pig half-carcasses or poultry carcasses.

Meeting MID and OIML R51 Requirements for Accuracy

The scale complies with the MID directive and OIML R51 standard, guaranteeing high quality and accuracy of measurements, in line with regulatory requirements. Thanks to its design, the device allows for smooth and accurate weighing of products without the need for operator intervention, significantly increasing process efficiency.

DWM HPS & DWT/RC HPS Checkweigher



Sorting checkweigher of RADWAG production is a hi-tech weighing device equipped with specialized automatics system providing precise and fast product separation. With electromagnetic weighing module, the **DWM checkweigher** guarantees high speed and precision of the weighing process. The **automatic sorting checkweigher** has been designed to comply with strict requirements for hygiene and for resistance to ambient conditions that are present on manufacturing lines in plants processing fish and poultry. Universal mechanic design guarantees that the **DWM HPS** can be adopted to needs of other branches of industry.

MODEL	Product code	Maximum capacity [MAX]	Readability [d]	Construction	Display	Operating temperature	Efficiency	Speed	Number of sorts
DWM HPS	-	1500 - 7500 g	1 - 5 g	Stainless steel	12" graphic colour touchscreen	+5 – +40°C	max 500 pcs/min	0.4 - 2.0 m/s	up to 12 pcs
DWT/RC HPS	-	15 - 30 kg	10 - 20 g	mild steel / Stainless steel	10.1" graphic colour touchscreen	-10 – +40°C	max 500 pcs/min	0.4 - 1.5 m/s	up to 12 pcs

Protection class - IP55, IP 65, IP69k
Keypad - touch screen
Construction - mild steel / Stainless steel
Communication interface - Ethernet, USB, RS232, IN / OUT
Optional interfaces - Profibus, PROFINET, Modbus, EtherNet/IP
Optional equipment - Printer, RFID rider, Barcode Rider, signal
Operating system - Microsoft Windows 11 IoT

Accessories (Additional Fee)
- Receipt Printer

Software (Additional Fee)
- Label Editor R02
- E2R Checkweigher



Customized scales

Not only standard DWM HPS series is offered, this sorting checkweigher can be manufactured in a customized version suiting any customer needs. Owing to customization unlimited possibilities are provided when it comes to device dimensions and performance. Used modern industrial dual-core computer guarantees fast data analysis, high weighing throughput, and simultaneously performed connection of scale to a master computer system.


Scan the QR code
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to explore our full product range